

Figure 1:

A.

Exon 1:

ATG AGC CG

Exon 2:

G AGT CTC TTG CTC TGG TTC TTG CTG TTC CTC CTC CCG CCG GTC CTC CTC GCG GAC CCA GGG GCG
CCC ACG CCA G

Intron 1:

TGAGTGGACCCCGGTGCCCCGGTGGGGAATTTTCTTGGCCCTCCTGGTGAGCCCTTGAATGCCAGGCTCAGCCCCCTCATCTCTCTCTGCAGG

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1
ATAGCGCGTCTACGTCGACCCCGGTGCCCGTGGGGAATTTCTTGGCCTCCTGTGGAGC
TACTCGGCATCAGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGCACCTCG
M S R E C D P G A R W G I F L A S W S -
* A V S A T P V P G G E F S W P P G G A -
E P * V R P R C P V G N F L G L L V E P -
Exon1 Intron1
CTTGAATGCCAGTCTCAGCCCCCTCATCTCTCTCTCTGCAGGGAGTCTCTTGCTTGTT
61
GAACTTACGGTCCGAGTCGGGAGTAGAGAGAGAGACGTCCTCAGAGAACGAGACCAA
L E C Q A Q P L I S L L C R E S L A L V -
L N A R L S P S S L S S A G S L L L L W F -
* M P G S A P H L S P L Q G V S C S G S -
CTTGCTGTTCTGCTCTGCTCCCGCGGTCCCCGTCTCTGCTCGGACCCAGGGCGCC
121
GAACGACAAGCAGGACGAGGGCGGCGGAGGACGAGCGCTTGGTCCCGCGG
L A V P A P A P A A P R P A R G P R G A -
L M F L L L L P P L P V L L A D P G A F -
C C S C S C S R R S S P S C S R T O G R P P -

Figure 1 continued

181 CAGCCAGGTAG
-----+--
GAGCGGCGCAG
H A R *
T P G
R Q V

C. *Human COX-3a*

1 ATGAGCCGTAGTGGACCCCGGTGCCGGTGGGGAATTTCTTGGCCTCTGGTGGAGC
-----+-----+-----+-----+-----+-----+-----+
TACTCGCACTCAGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGACCACTCG
M S R E C D P G A R W G I F L A S W S
Exon1 Intron1
CTTGAATGCCAGCTCAGCCCTCATCTCTCTCTCTGCAGGAGTCTCTGTCTGTGTTT
-----+-----+-----+-----+-----+-----+-----+
61 GAACTTACGTCGAGTCGGGGAGTAGAGAGGAGACGTCCTCAGAGAACGAGACCAAG
L E C Q L S P S S L S S A G S L L L W F
Exon2
TTGCTGTTCTGCTCCTGCTCCGCGCTCCCGTCTGCTGCTCGGACCCAGGGGCGCC
-----+-----+-----+-----+-----+-----+-----+
121 AACGACAGGACGAGACGAGGGCGGGCGGAGGGGCAGGACGCGCTGGTCCCCCGGG
L L F L L L L P P L P V L L A D P G A P
ACGCCAGGT
181 -----
TGCGGTCCA
T P G

D. *Human COX-3b*

1 ATGAGCCGTAGTGGACCCCGGTGCCGGTGGGGAATTTCTTGGCCTCTGGTGGAGCC
-----+-----+-----+-----+-----+-----+-----+
TACTCGCACTCAGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGACCACTCGG
M S R E C D P G A R W G I F L A S G G A
Intron1

[illegible]

E.

Canine	4	EFDPEAPRNPLRLPGEPRMPGPALT	RSAGGS	35
			:	
Human 3a	4	ECDPGA.RWGIFLASWWSLECOL	SPSSLSAG	34
Human 3b	4	ECDPGA.RWGIFLASGGALNARL	SPSSLSAG	34

Figure 2

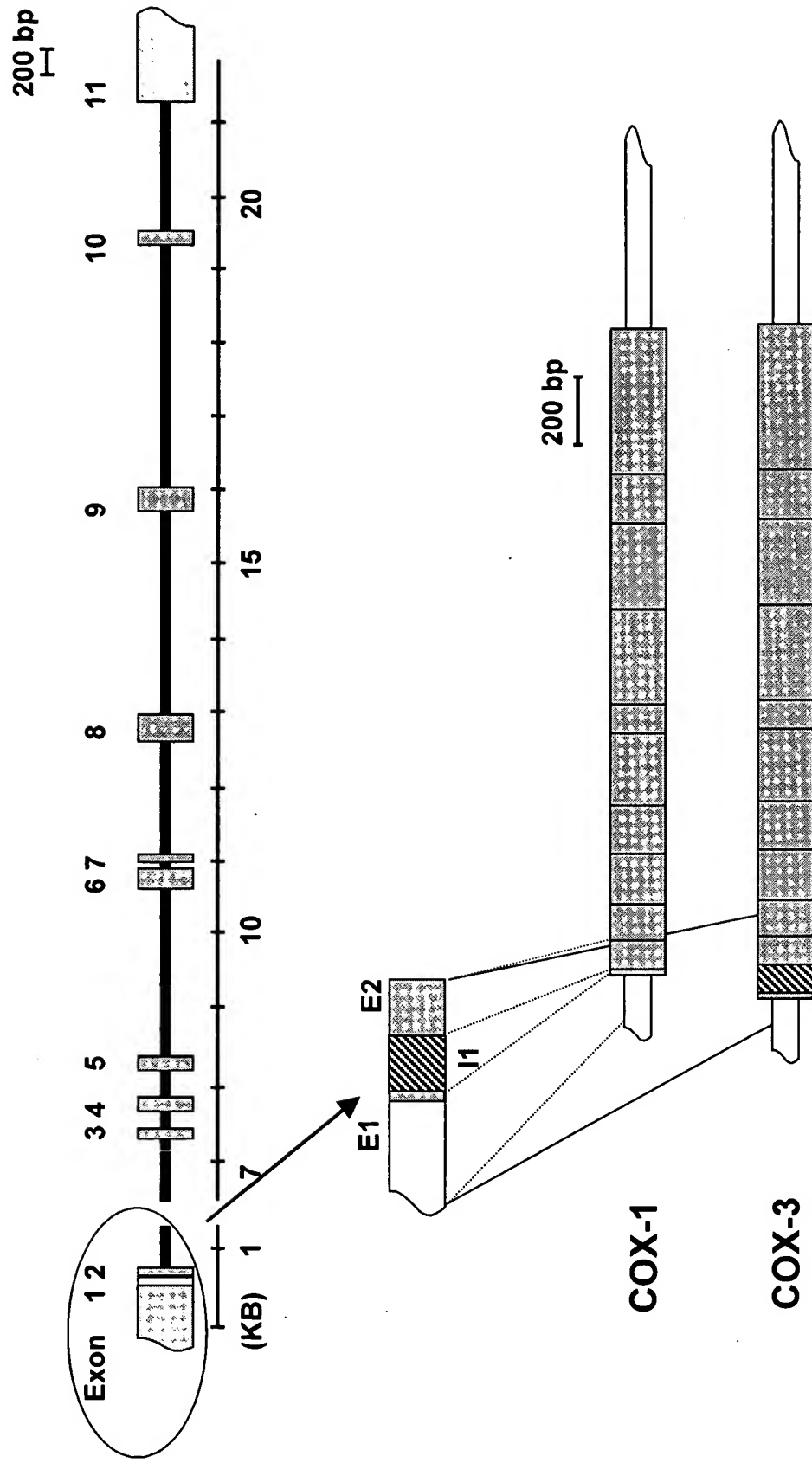


Figure 3

